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P8H61-MX USB3

Cost attractive model for H61 uATX motherboard with USB 3.0

- USB 3.0 – The latest data transfer technology.
- PCIe 3.0 – Improve your graphic performance with incredible data speed.
- GPU BOOST - Go to the Limit with iGPU Level Up !
- UEFI BIOS (EZ Mode) - Flexible & Easy BIOS Interface
- Anti Surge - Full-time Power Guardian-Make System Free From Risk
- **Windows 8 Ready – Assured Compatibility**

LGA1155 socket for Intel® Third Generation Processors

This motherboard supports the latest Intel® Ivy Bridge processors in the LGA1155 package, with memory and PCI Express controllers integrated to support 2-channel DDR3 memory and 16 PCI Express 3.0 lanes. This provides great graphics performance. Intel® Ivy Bridge processors are among the most powerful and energy efficient CPUs in the world.

H61

The Intel® H61(B3) Express Chipset is the latest single-chipset design to support the new 1155 socket Intel® 3rd/2nd generation processors. It provides improved performance by utilizing serial point-to-point links, allowing increased bandwidth and stability.

PCIe 3.0

The latest PCI Express bus standard delivers improved encoding for twice the performance of current PCIe 2.0. Total bandwidth for a x16 link reaches a maximum of 32GB/s, double the 16GB/s of PCIe 2.0 (in x16 mode). PCIe 3.0 provides users unprecedented data speeds, combined with the convenience and seamless transition offered by complete backward compatibility with PCIe 1.0 and PCIe 2.0 devices.

Dual-Channel DDR3 2200(O.C.)/2133(O.C.)/2000(O.C.)/1866 (O.C.)/1600/1333/1066 support

The motherboard supports DDR3 memory that features data transfer rates of 2200(O.C.)/2133(O.C.)/2000(O.C.)/1866(O.C.)/1600/1333/1066 MHz to meet the higher bandwidth requirements of the latest 3D graphics, multimedia, and Internet applications. The dual-channel DDR3 architecture enlarges the bandwidth of your system memory to boost system performance.

GPU Boost

GPU Boost overclocks the integrated GPU in real time for the best graphics performance. User-friendly UI facilitates flexible frequency and voltage adjustments. Its ability to deliver multiple overclocking profiles also provides rapid and stable system-level upgrades.

ASUS Anti-Surge Protection

Protect Your Device Anti-Surge Protection Design detects overvoltage conditions and prevents voltage surges from spreading in real time. It also actively cuts off the overvoltage supply to protect the system.

1. Real-time over voltage detection.
2. Active protection against potential damage to your motherboards and systems

AI Suite II

With its fast user-friendly interface, ASUS AI Suite II consolidates all the exclusive ASUS features into one simple to use software package. It allows you to supervise overclocking, energy management, fan speed control, voltage and sensor readings. This all-in-one software offers diverse and ease to use functions, with no need to switch back and forth between different utilities.

ASUS UEFI BIOS (EZ Mode)

Exclusive to ASUS motherboards, its UEFI (Unified Extensible Firmware Interface) is the first ever mouse-controlled graphical BIOS interface designed with dual selectable modes. It delivers a user-friendly interface that goes beyond traditional keyboard-only BIOS controls to enable more flexible and convenient input with quick scrolling. Users can easily navigate the UEFI BIOS with the smoothness of their operating system. Quick and simple overclocking and setup sharing is facilitated by the F12 hotkey BIOS snapshot feature. The exclusive EZ Mode displays frequently-accessed setup info, while the Advanced Mode is

for experienced performance enthusiasts that demand far more intricate system control, including detailed DRAM information.

Supports Hard Drives over 2.2TB
ASUS UEFI BIOS natively supports hard drives larger than 2.2TB in 64-bit, with full storage space utilization helping deliver far more exciting computing than traditional BIOS versions.

Exclusive ASUS Interface
• EZ Mode - gives easy access to selectable, optimized system modes, clear system info display and drag and drop boot prioritizing
• Advanced Mode - for experienced performance enthusiasts that demand intricate system settings

EZ-Flash 2

Simply update BIOS from a USB flash disk before entering the OS
EZ Flash 2 is a user-friendly BIOS update utility. Simply launch this tool and update BIOS from a USB flash disk before entering the OS. You can update your BIOS only in a few clicks without preparing an additional floppy diskette or using an OS-based flash utility.

EZ Flash 2

8-channel high definition audio

The onboard 8-channel HD audio (High Definition Audio, previously codenamed Azalia) CODEC enables high-quality 192KHz/24-bit audio output and jack-detect feature that automatically detects and identifies what types of peripherals are plugged into the audio I/O jacks and notifies users of inappropriate connection, which means there will be no more confusion of Line-in, Line-out, and Mic jacks.

8 - Channel HD Audio

ErP ready

The motherboard is European Union´s Energy-related Products (ErP) ready, and ErP requires products to meet certain energy efficiency requirements in regards to energy consumptions. This is in line with ASUS vision of creating environment-friendly and energy-efficient products through product design and innovation to reduce carbon footprint of the product and thus mitigate environmental impacts.

USB 3.0 Support

Experience ultra-fast data transfer at 4.8Gbps with USB 3.0 – the latest connectivity standard. Built to connect easily with next-generation components and peripherals, USB 3.0 transfers data 10x faster and is also backward compatible with USB 2.0 components

Double USB 3.0 Access

Specifications

CPU	Intel® Socket 1155 for 3rd/2nd Generation Core™ i7/Core™ i5/Core™ i3 Processors Supports Intel® 22 nm CPU Supports Intel® 32 nm CPU * Refer to www.asus.com for CPU support list
Chipset	Intel® H61(B3)
Memory	2 x DIMM, Max. 16GB, DDR3 2200(O.C.)/2133(O.C.)/2000(O.C.)/1866(O.C.)/1600/1333/1066 MHz Non-ECC, Un-buffered Memory Dual Channel Memory Architecture * 1600MHz and higher frequency is supported by Intel® 3rd generation processors. * Due to OS limitation, when installing total memory of 4GB capacity or more, Windows® 32-bit operation system may only recognize less than 3GB. Install a 64-bit Windows® OS when you want to install 4GB or more memory on the motherboard.
Graphic	Integrated Graphics Processor Multi-VGA output support : DVI/RGB ports - Supports DVI with max. resolution 1920 x 1200 @ 60 Hz - Supports RGB with max. resolution 2048 x 1536 @ 75 Hz
Expansion Slots	1 x PCIe 3.0/2.0 x16 *1 2 x PCIe 2.0 x1
Storage	**Intel® H61(B3) chipset :** 4 x SATA 3Gb/s port(s), blue
LAN	Realtek® 8111F-VB-CG, 1 x Gigabit LAN Controller(s)
Audio	VIA VT1708S 8-Channel High Definition Audio CODEC - Supports : Multi-streaming
USB Ports	**Intel® H61(B3) chipset :** 8 x USB 2.0 port(s) (4 at back panel, black, 4 at mid-board) **ASMedia® ASM1042 controller :** 2 x USB 3.0 port(s) (2 at back panel,)
Special Features	**ASUS Protect Technology :** - Anti-Surge Protection **GPU Boost** **ASUS Exclusive Features** :

	- Ai Charger+ - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl **ASUS Quiet Thermal Solution** : - ASUS Fan Xpert - ASUS Q-Fan 2 **ASUS EZ DIY :** - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS MyLogo 2
Back I/O Ports	1 x PS/2 keyboard/mouse combo port(s) 1 x DVI 1 x D-Sub 1 x LAN (RJ45) port(s) 2 x USB 3.0 (blue) 4 x USB 2.0 3 x Audio jack(s)
Internal I/O Ports	2 x USB 2.0 connector(s) support(s) additional 4 USB 2.0 port(s) 4 x SATA 3Gb/s connector(s) 1 x CPU Fan connector(s) 1 x Chassis Fan connector(s) 1 x 24-pin EATX Power connector(s) 1 x 4-pin ATX 12V Power connector(s) 1 x Front panel connector(s) 1 x Front panel audio connector(s) (AAFP) 1 x Internal speaker connector(s)
Accessories	User's manual I/O Shield 2 x SATA 3Gb/s cable(s)
BIOS	64Mb Flash ROM, UEFI BIOS, PnP, DMI v2.0, WfM2.0, SMBIOS v2.6, ACPI v2.0a
Manageability	WOL, PXE, PME Wake Up
Support Disc	Drivers ASUS Utilities ASUS Update Anti-Virus Software (OEM Version)
Form Factor	uATX Form Factor 9.6 inch x 7.2 inch (24.4 cm x 18.3 cm)
Note	*1: PCIe 3.0 speed is supported by Intel ® 3rd generation processors.